

Reciprocating Engine Cylinder Contribution Tester and Method

Abstract of the Disclosure

Engine cylinder contribution analysis is provided. An engine cylinder contribution tester includes a displacement measurement device and a signal analyzer. The displacement measurement device detects engine block movements or displacement relative to a fixed position caused by a poorly contributing cylinder. The displacement measurement device provides a displacement signal to the signal analyzer. The signal analyzer includes a cylinder contribution module for evaluating the displacement signal. If a particular cylinder is contributing less than the average of the other cylinders, the displacement signal indicates engine block movement associated with a lack of contribution from that cylinder.